

## ***STREPTOCOCCAL DISEASE, INVASIVE, GROUP A***

### **I. IDENTIFICATION**

A. **CLINICAL DESCRIPTION:** Invasive group A streptococcal infections may manifest as any of several clinical syndromes:

- **Pneumonia**
- **Bacteremia** in association with cutaneous infection (e.g., cellulitis, erysipelas, or infection of a surgical or nonsurgical wound)
- **Deep soft-tissue infection** (e.g., myositis or necrotizing fasciitis)
- **Meningitis, peritonitis, osteomyelitis, septic arthritis, postpartum sepsis, neonatal sepsis, and nonfocal bacteremia**
- **Streptococcal Toxic Shock Syndrome** (see case definition on page 247)

B. **REPORTING CRITERIA:** Clinical diagnosis.

C. **LABORATORY CRITERIA FOR CONFIRMATION:**

- Isolation of group A *Streptococcus* (*Streptococcus pyogenes*) by culture from a normally sterile site (e.g., blood or cerebrospinal fluid, or less commonly, joint, pleural, or pericardial fluid)

D. **KENTUCKY CASE DEFINITION:** A clinically compatible illness that is laboratory confirmed.

### **II. ACTIONS REQUIRED / PREVENTION MEASURES**

A. **KENTUCKY DISEASE SURVEILLANCE REQUIRES URGENT NOTIFICATION: REPORT TO THE LOCAL OR STATE HEALTH DEPARTMENT IMMEDIATELY** upon recognition of a case or suspected case in a time period not greater than 24 hours. If health department personnel cannot be contacted directly, notification shall be made by electronic submission or by telephone to the emergency number of the Division of Epidemiology and Health Planning: **1-888-973-7678**.

B. **EPIDEMIOLOGY REPORTS REQUESTED:**

1. Kentucky Reportable Disease Form – EPID 200 (Rev. Jan/03).
2. Toxic-Shock Syndrome Case Report – CDC 52.3 (Rev. 4-96).
3. Group A Streptococcus Surveillance Form – EPID 200GAS (1/03)

C. **PUBLIC HEALTH INTERVENTIONS:**

- Cluster investigation if more than one case occurs in close geographic and temporal proximity.
- Educate health care community regarding specific elements of clinical case definition which must be met for a case to be reportable at the state and national level.

### **III. CONTACTS FOR CONSULTATION**

- A. KENTUCKY DEPARTMENT FOR PUBLIC HEALTH, COMMUNICABLE DISEASE  
BRANCH: 502-564-3261.
- B. KENTUCKY DEPARTMENT FOR PUBLIC HEALTH, SURVEILLANCE AND  
HEALTH DATA BRANCH: 502-564-3418.

### **IV. RELATED REFERENCES**

1. Chin, James, ed. STREPTOCOCCAL DISEASES CAUSED BY GROUP A. In  
Control of Communicable Diseases Manual. 17<sup>th</sup> ed. Washington, DC: American  
Public Health Association, 2000: 470-476.